

Kappaphycus alvarezii

Red Algae

Threat Scores

- 1. Ecological Impact
 - This species has an extremely high growth rate; although it has been found to provide habitat for many marine species, it can smother coral reefs
 - It is used by humans as a homogenizer in many products
- 2. Invasive Potential
 - Since their introduction in Kaneohe Bay in 1974, they have spread at the rate of 260 m/yr
 - Kappaphycus spp. alga may be able to spread laterally but, does not appear to be able to spread long distances or between islands
 - Dispersal is thought to be constrained by size and weight, as it appears to become trapped in depressions and channels
- 3. Geographic Extent
 - Locally pervasive
- 4. Management Difficulty
 - Can re-grow from fragments as small as 0.5 cm making it an extremely difficult species to control

Geography and Habitat

- 1. Native: Malaysia, Sulu Sea, southern Philippines
- 2. Introduced: Hawai'i
- 3. Habitats
 - Marine, coral reefs, benthic, coastland, submerged substrates, floating populations

Invasion Pathways

- Plants as food
 - Major producer of kappa-carrageenan, which is used for medicinal purposes and as a homogenizer in milk products, toothpaste, and jellies
- Natural spread

Non-Native Locations

1. 152- Hawaiian Islands

Sources

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